

09/288,556

Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 17:48:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L4

=> s l4 sss full

FULL SEARCH INITIATED 17:48:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 23 TO ITERATE

100.0% PROCESSED 23 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L7 0 SEA SSS FUL L4

=> s l5 sss full

FULL SEARCH INITIATED 17:48:17 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 192 TO ITERATE

100.0% PROCESSED 192 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.01

L8 13 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	448.45	448.66

FILE 'CAPLUS' ENTERED AT 17:48:28 ON 26 SEP 2003
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FILE COVERS 1907 - 26 Sep 2003 VOL 139 ISS 14
FILE LAST UPDATED: 25 Sep 2003 (20030925/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

09/288,556

=> s 18

L9 2 L8

=> d 19 1-2 ibib abs hitstr

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:438597 CAPLUS

DOCUMENT NUMBER: 138:66148

TITLE: CCR3 antagonists: a potential new therapy for the treatment of asthma. Discovery and structure-activity relationships

AUTHOR(S): Wacker, Dean A.; Santella, Joseph B., III; Gardner, Daniel S.; Varnes, Jeffrey G.; Estrella, Melissa; DeLucca, George V.; Ko, Soo S.; Tanabe, Keiichi; Watson, Paul S.; Welch, Patricia K.; Covington, Maryanne; Stowell, Nicole C.; Wadman, Eric A.; Davies, Paul; Solomon, Kimberly A.; Newton, Robert C.; Trainor, George L.; Friedman, Steven M.; Decicco, Carl P.; Duncia, John V.

CORPORATE SOURCE: Experimental Station, Bristol-Myers Squibb Company, PO Box 80336, Wilmington, DE, 19880-0336, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(13), 1785-1789

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB CCR3 antagonist leads with IC50 values in the .mu.M range were converted into low nM binding compds. that displayed in vitro inhibition of human eosinophil chemotaxis induced by human eotaxin. In particular, 4-benzylpiperidin-1-yl-n-propylureas and erythro-3-(4-benzyl-2-(.alpha.-hydroxyalkyl)piperidin-1-yl)-n-propylureas (obtained via Beak reaction of N-BOC-4-benzylpiperidine) exhibited single digit nanomolar IC50 values for CCR3.

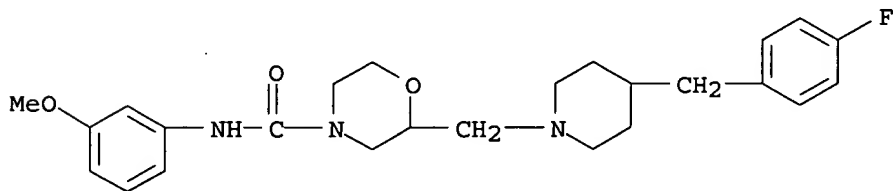
IT 276871-86-4 276872-58-3 480429-75-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(structure-activity relationships of CCR3 antagonists as antiasthmatics)

RN 276871-86-4 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl)methyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)

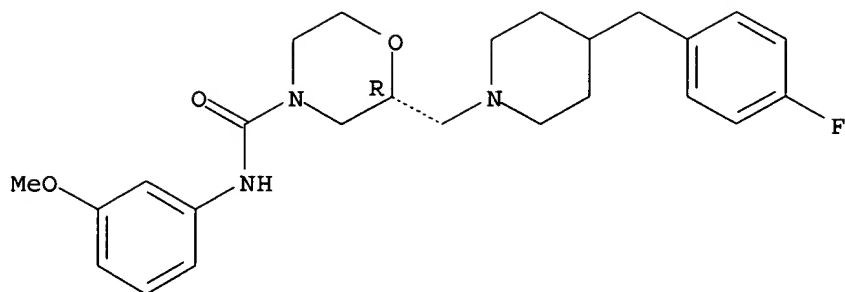


RN 276872-58-3 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl)methyl]-N-(3-methoxyphenyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

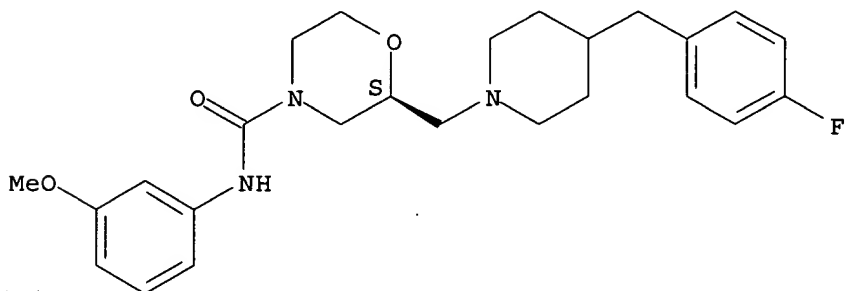
09/288,556



RN 480429-75-2 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:421105 CAPLUS

DOCUMENT NUMBER: 133:58720

TITLE: Preparation of heterocyclic piperidines as modulators of chemokine receptor activity

INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A.

PATENT ASSIGNEE(S): Du Pont Pharmaceuticals Co., USA

SOURCE: PCT Int. Appl., 219 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

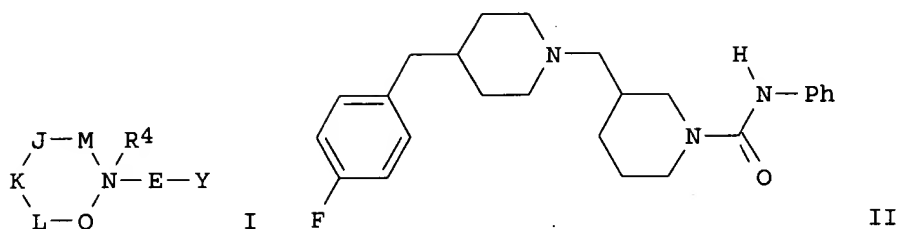
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035877	A1	20000622	WO 1999-US30314	19991217
W:	AL, AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
EP 1140834	A1	20011010	EP 1999-964293	19991217
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
US 6331545	B1	20011218	US 1999-465949	19991217
US 2002119980	A1	20020829	US 2001-981833	20011018
PRIORITY APPLN. INFO.:			US 1998-112714P P	19981218

US 1999-465949 A3 19991217
WO 1999-US30314 W 19991217

OTHER SOURCE(S): MARPAT 133:58720
GI



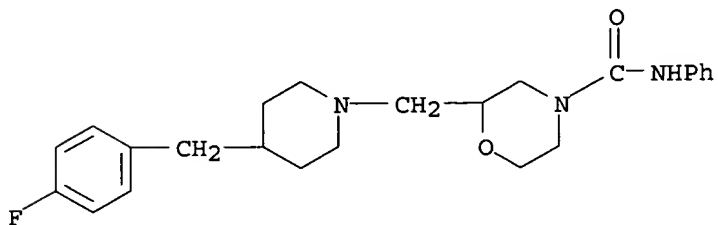
AB The title compds. [I; M = absent, CH₂, (4-FC₆H₄CH₂)CH, etc.; Q = CH₂, (4-FC₆H₄CH₂)CH, etc.; J, K, L = CH₂, (4-FC₆H₄CH₂)CH, etc.; E = CH₂, (CH₂)₂, etc.; Y = piperidinyl, piperazinyl, isoquinolinyl, etc. (N-substituted with CONHPh, CPh, etc.); R₄ = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepd. and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/day.

IT 276871-80-8P 276871-81-9P 276871-82-0P
276871-83-1P 276871-84-2P 276871-85-3P
276871-86-4P 276872-57-2P 276872-58-3P
276872-59-4P 276872-60-7P 276872-61-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclic piperidines as modulators of chemokine receptor activity)

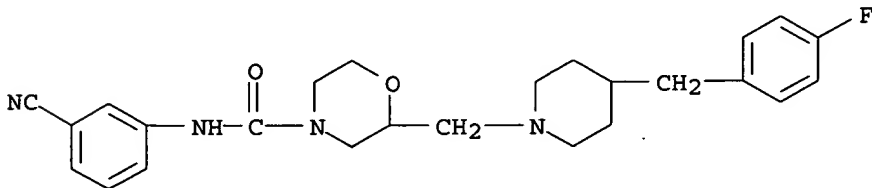
RN 276871-80-8 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-phenyl- (9CI) (CA INDEX NAME)

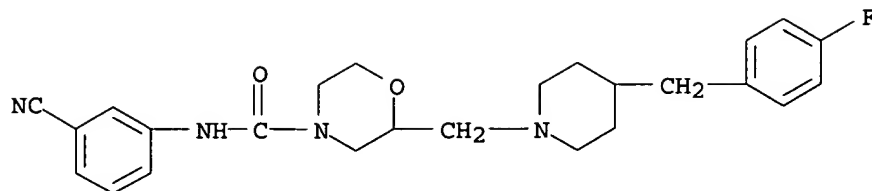


RN 276871-81-9 CAPLUS

CN 4-Morpholinecarboxamide, N-(3-cyanophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

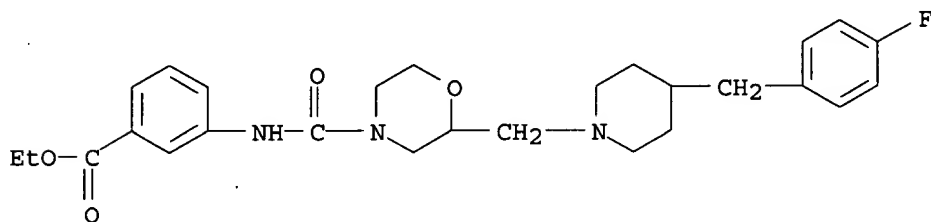


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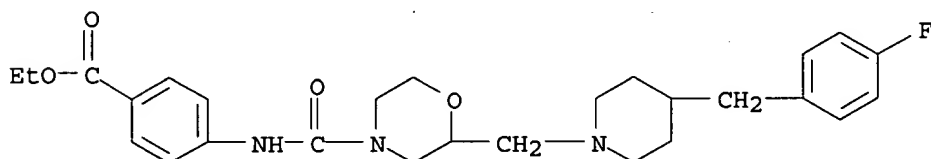
RN 276871-82-0 CAPLUS

CN Benzoic acid, 3-[[[2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-4-morpholinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



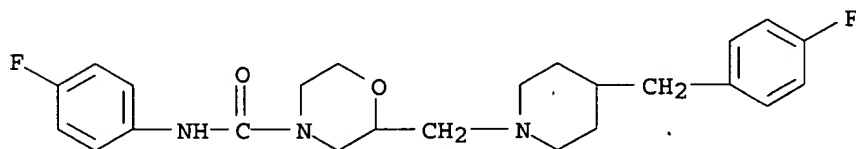
RN 276871-83-1 CAPLUS

CN Benzoic acid, 4-[[[2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-4-morpholinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



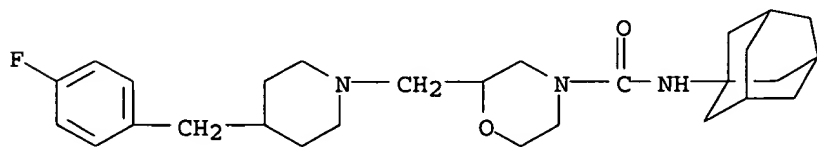
RN 276871-84-2 CAPLUS

CN 4-Morpholinecarboxamide, N-(4-fluorophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



RN 276871-85-3 CAPLUS

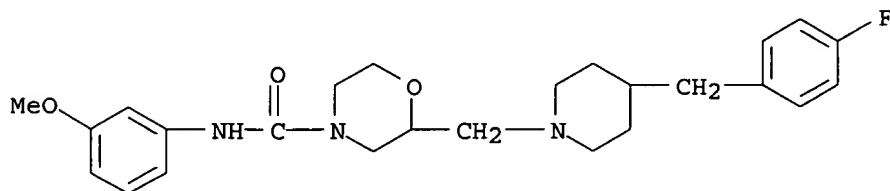
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-tricyclo[3.3.1.1.3,7]dec-1-yl- (9CI) (CA INDEX NAME)



RN 276871-86-4 CAPLUS

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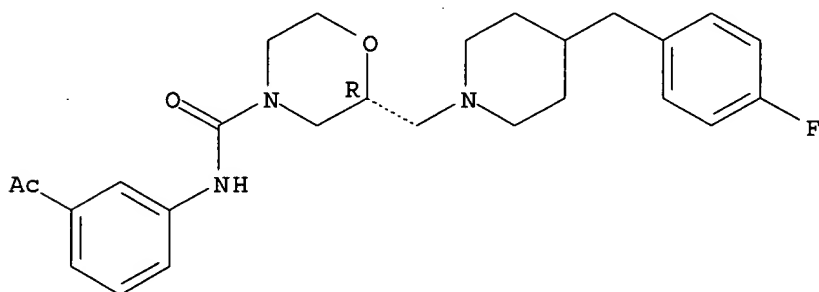
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 276872-57-2 CAPLUS

CN 4-Morpholinecarboxamide, N-(3-acetylphenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

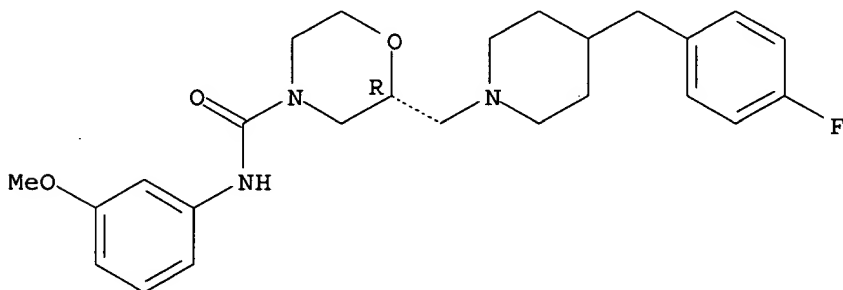
Absolute stereochemistry.



RN 276872-58-3 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

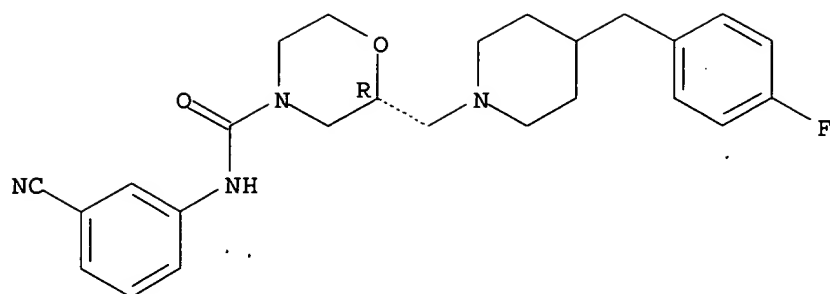


RN 276872-59-4 CAPLUS

CN 4-Morpholinecarboxamide, N-(3-cyanophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

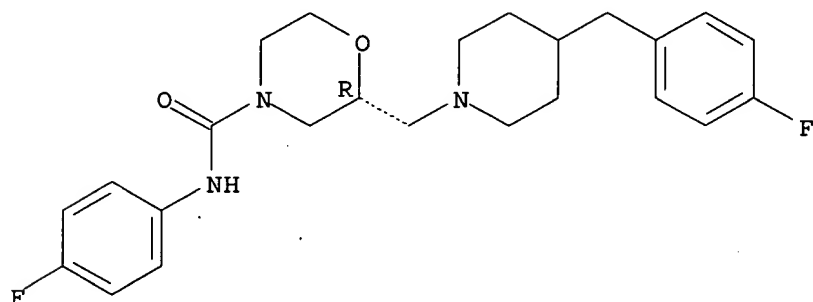
09/288,556



RN 276872-60-7 CAPLUS

CN 4-Morpholinecarboxamide, N-(4-fluorophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

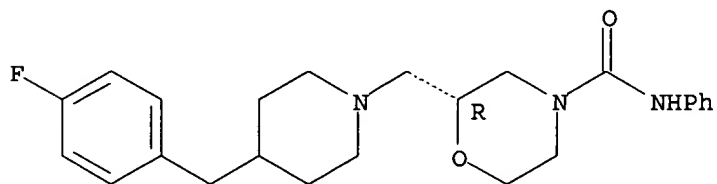
Absolute stereochemistry.



RN 276872-61-8 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-phenyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

8

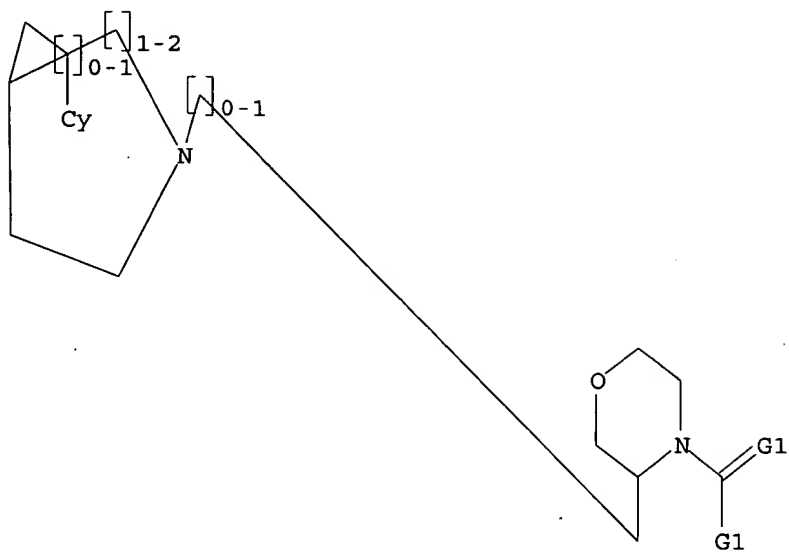
THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4

STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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Uploading 981833.str

L5

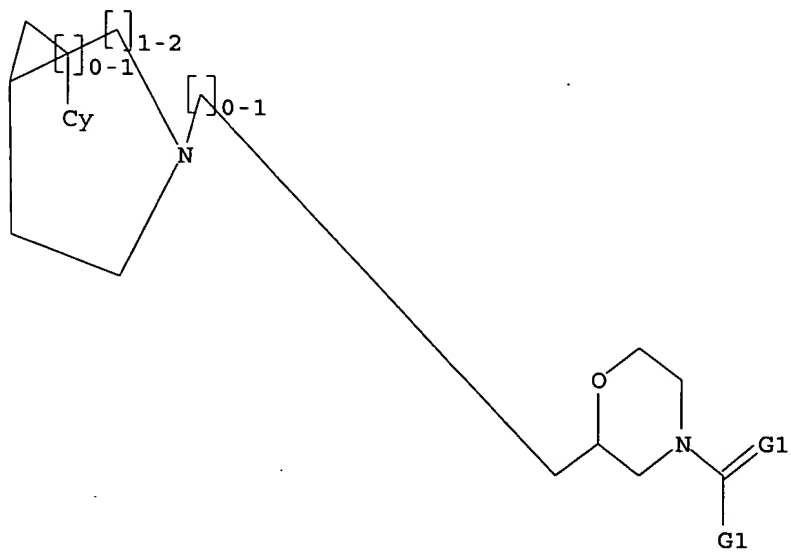
STRUCTURE UPLOADED

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L5 HAS NO ANSWERS

L5

STR



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